

liniLED® Handrail

The liniLED® Handrail (IP40/IP65) is a revolutionary LED based handrail system, which has the same light benefits as a LED fixture: energy efficient with an expected lifetime of more than 50,000 hours. By integrating the liniLED® Top LED strip in the stainless steel liniLED® Handrail (AISI 316), the product is ideal for high-end indoor and outdoor projects in various sectors, such as: architecture, infrastructure, construction, health and the entertainment industry.



For the latest version of this material sheet, visit our website: www.liniLED.com

AISI 316 tube

Chemical composition										Mechanical Test		
Item no.	Polish	C	Si	Mn	P	S	Cr	Ni	Mo	T.S.	Y.S.	Elongation
		%	%	%	%	%	%	%	%	MPa	MPa	%
		≤ 0.080	≤ 0.75	≤ 2.000	≤ 0.040	≤ 0.030	16.0-18.0	10.0-14.0	2.0-3.0			
2004976	#320 satin	0.023	0.33	1.11	0.003	0.004	16.10	10.15	2.08	616	330	57
2004981	#320 satin	0.028	0.20	1.05	0.010	0.002	16.05	10.10	2.12	618	326	55

AISI 316 brackets

Chemical composition								
Item no.	C	Si	Mn	P	S	Cr	Ni	Mo
	%	%	%	%	%	%	%	%
	≤ 0.080	≤ 0.75	≤ 2.000	≤ 0.040	≤ 0.030	16.0-18.0	10.0-14.0	2.0-3.0
40-1287.1	0.002	0.500	1.020	0.041	0.008	16.219	10.275	2.099
40-1285.1	0.032	0.604	0.0833	0.042	0.008	17.473	10.413	2.315
40-1288.1	0.008	0.462	1.003	0.036	0.005	16.706	10.350	2.184
40-1260.0	0.022	0.607	0.994	0.037	0.007	16.959	10.584	2.327
40-1284.1	0.002	0.624	1.209	0.039	0.008	17.190	11.159	2.422
40-1283.1	0.023	0.682	0.947	0.038	0.007	17.237	10.272	2.265
40-1286.1	0.022	0.550	1.025	0.032	0.004	17.231	10.327	2.229

Aluminium Alloy 6036-T6

Chemical composition							Mechanical Test			
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	T.S.	Y.S	Elongation
0.2-0.6%	≤0.35%	≤0.10%	≤0.10%	0.45-0.90%	≤0.10%	≤0.10%	≤0.10%	min. 215	min. 170	min 8%